

DyText 300

COMMERCIAL TYPOGRAPHY MADE EASIER



itek

TM

Your operation may now require a sophisticated, computer-based composition system...

You may already be using a limited-function system. Or perhaps planning for your first-ever typesetting department. In either case, you're facing important and possibly difficult decisions, many concerning technical and operational factors you may not be familiar with.

We know exactly how you feel.

Selecting the best system for your particular needs isn't any easy task. To help you, we'd like to describe the DyText 300, an Itek composition system which has been designed specifically to make commercial typography easier.

Most composition systems share common operational requirements - that is, they must all handle mark-up, input, editing, and output procedures. However, significant differences do exist in how easily and cost-effectively they carry out their work. And how efficiently they perform in a variety of production environments.

Application-oriented design

The DyText 300 is designed to operate with ease and efficiency in any production environment. Thus, it's equally effective in preparing type for books, periodicals, or high-quality materials such as promotional brochures and annual reports.

This unusual degree of operational flexibility is possible because:

1. DyText software is designed specifically to support "commercial" applications;
2. DyText hardware has been thoroughly tested and proven in actual production environments; and -
3. The DyText system is designed to give the user maximum flexibility and control in establishing his own operating parameters and in controlling system operations.

The DyText 300 is a multi-user, multi-task text management system. This means that it is able to carry out many functions simultaneously. For example, job "A" can be input while job "B" is being edited and jobs "C" and "D" are being typeset. Moreover, thanks to the system's unique formatting capabilities and operating software programs, each job may have different typesetting specifications.

DyText formatting procedures - simplified, and written in an understandable typographic language - are designed to speed up input keyboarding and reduce the possibility of style errors.

Copy can be stored in its original form, or as hyphenated and justified text. Or both. Storage location, as well as duration, is user-defined.

The DyText 300 features reprocessible hyphenation and justification. This means that data recalled for display on a VDT is shown with line endings and hyphenation breaks as they'll actually occur. It also means that stored copy can be directed to any output device at greater throughput speeds.

The DyText Hyphenation and Justification (H & J) Program features variable, maximum, minimum and average word space control, multiple exception word dictionaries, and user-addressable auto-kerning and ligature tables. Justified copy, together with statistical data to assist in copy fitting, are displayed in a proof version on the VDTs. Displayed data includes pica and point identification, cumulative copy depth, indent values (if used), and line length. The face and size to be used is displayed as part of the text stream. Loose lines and hyphenation conditions are identified.

In addition to the VDT proof version, the DyText System provides for "soft" copy reviewing, a feature that permits page style validation prior to a typeset output commitment. Hyphenated and justified body copy, including heads and subheads, is displayed in representative type faces, sizes and weights as it will actually be typeset. Pages can be optically enlarged or reduced, and moved horizontally or vertically to facilitate viewing and verifying over-size material. Copy changes are identified and accessed by line number, greatly simplifying the proofing and editing process.

The DyText 300 offers several page make-up options

For simpler jobs, such as the straight running text of book work, make-up parameters can include the definition of single or multiple-column page formats, as well as all necessary type specifications. Once parameters are defined, the system automatically breaks galley text into pages and inserts running heads and folios. To make stripping and imposition easier, page crop marks can also be included.

For complex jobs, a more sophisticated make-up procedure permits VDT editors, working from page dummies, to manipulate galley copy, merging text, figure captions and footnotes. This procedure greatly reduces the time required for mechanical set-up and assembly of complete pages within the data base.

Quality you can count on

With the DyText 300, you can be sure of meeting the highest typographic standards. When a type size change would mean a more attractive page or better readability, for example, the improvement is made quickly and easily by a simple change of setwidth. DyText also offers face-related, user-defined auto-kerning tables, allowing you to establish and modify any letter combinations (up to 200 per face) that best satisfy your requirements.

The way to grow

A primary consideration for any user is the ease and economy with which his system can be expanded.

With the DyText 300 you can start with the minimum hardware necessary to meet current production requirements. There are no operational restrictions, regardless of system size. As production volume increases, simply add additional terminals and increase the size of your data storage base. It's the easiest possible way to start, and the best way to grow.



DyText Video Display Terminals

Interactive communication between the DyText operator and system components is achieved through the system's Video Display Terminals (VDTs). DyText VDTs, designed as "intelligent" text entry and editing terminals, supplement central processor unit functions at the local level, providing many text processing advantages.

DyText VDT editing features include:

- Horizontal and vertical cursor movements
- Bi-directional line and page scrolling
- Search and replace routines
- Location of H & J'd lines by access number
- Block "define" and "move" routines
- Store and recall capability on numeric keys

DyText VDTs display copy in any of three versions:

1. Raw copy - displayed in the same form it entered the system.
2. Composed copy - H & J'd, with actual line endings and hyphenation breaks shown, and
3. Proof copy - showing, in addition to justification, copy fitting statistics.

```
!!(1d H2/*1*wp1*f(6)*s(12)*1111*(20)*1*w3*s(10)*f(13))
!!(2d H3/*1*wp1*f(6)*s(10)*1111*(20)*1*w3*s(10)*f(13))
!!(3d RL/*cs-l-*127-*cs0)
!!(4d bx1/*mm0*m42*f1*112*f6*s10*cs-l-*127-*cs0*1*16*s18/*c*11*s10*cs-l-*127-
*cs0*1*1r4/*s9*1110*mm1*m41)
!!(5d bx2/*f6*mm1*m40*1110*s9*hn/*mm0*m42*s10)
!!(6d bxe/*m42*mm0*ki*s10*cs-l-*qs-*cs0)
!!(7d pge/*mt0*w(42)*f6*m42*s(9)/*c*1z601-12438*1*w10)
!!(8d pgo/*mt0*w(42)*f6*m42*s(9)/*c*1z601-12438*r*w10)
!!(9d txt/*m20*f13*s10*1111*135*f1)
!!(10d fig/fig./d/dPicas*c*1z)
!!(11d TQ1/*spl*f7*s36*m17*1112*vk*vj56/*f13*s10*v2)
ENTER - FMT 601 E- FMT 611 S- FMT 611 DIREC L+ CMD SCAN M65 REP
```

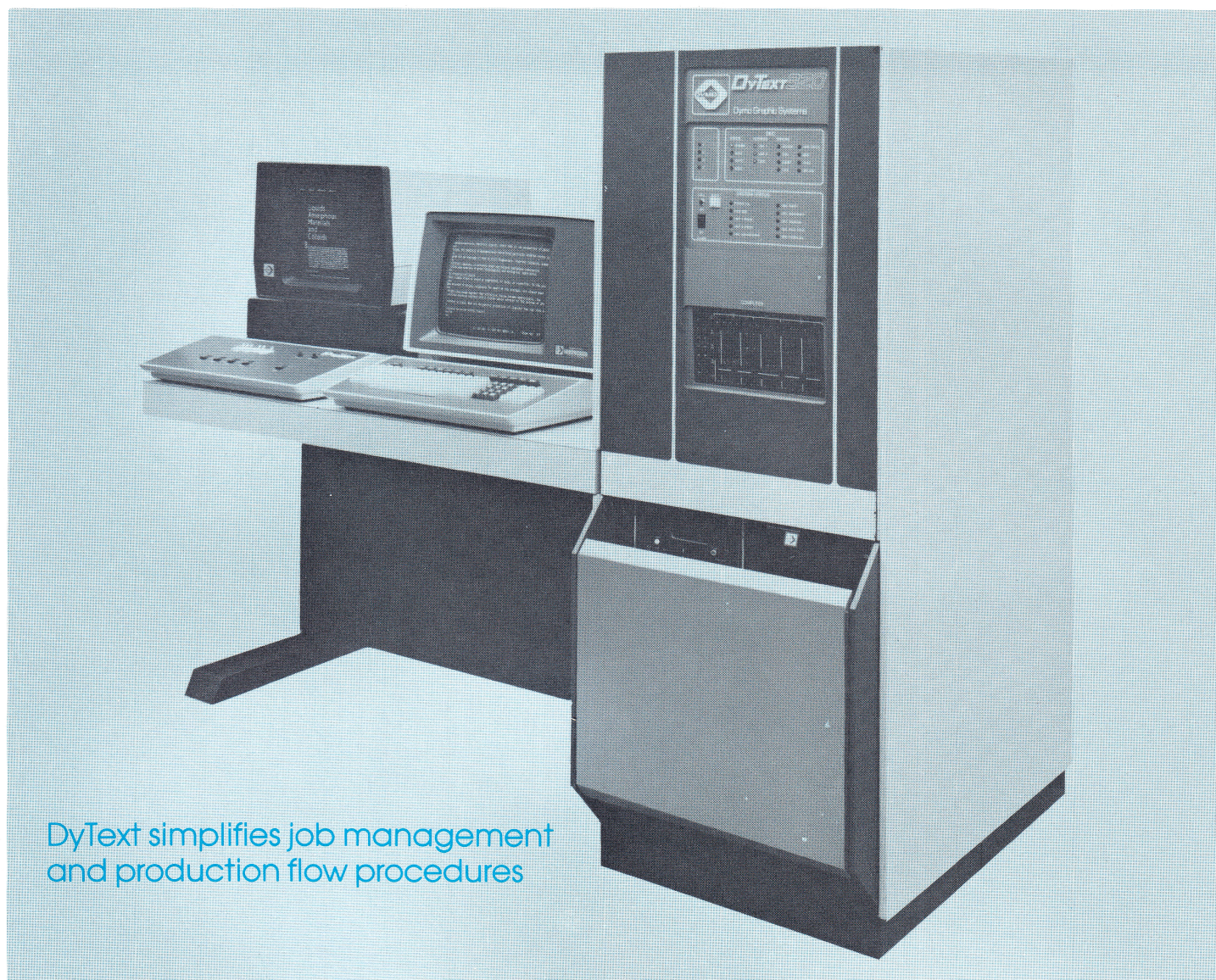
Easy to use format structure

```
!p#cs
/
Liquids,
Amorphous
Materials,
and
Colloids
/8
/In the gaseous state, molecules are independent of each other and the collection
n of
random particles represents a highly disordered condition. At the other extreme
, in
the solid state, atoms and molecules are highly organized into well-defined pat
terns.
The randomness of gases and the order of solids make possible mathematical
simplifications that have helped in understanding these two states of matter.
Between the extremes of randomness and order are liquids and various amorphous
materials, all of which show partial ordering of atoms and molecules. Although
amorphous materials, especially liquids, share some of the properties of gases
and
solids, the complexity of mathematically describing partially ordered states is
so
great that our knowledge of them is still fragmentary. Vigorous research, aided
by
E- LF 039 S- LF 039 PROOF L+ SCAN M65 REP
```

Composed Version

```
00100 0000 0003 <[F:014-010]1[F:014-010]<
00100 0000 2810 <[F:013-010][100100]CHEMISTRYJOB NO. 001000OPERATOR
00500 0000 4500 +SL[X0951A +SL
01402 0900 2210 <[F:009-048]Liquids,<
01802 0900 3007 <Amorphous<
02202 0900 2700 <Materials,<
02602 0900 1610 <and<
03002 0900 2311 <Colloids<
03400 0600 0010 <[F:010-050][100100]8<
03500 0900 3800 [F:013-010][R00100]In the gaseous state, molecules are indep
03500 0900 3800 endent of each other and the collection of
03600 0900 3800 random particles represents a highly disordered condition. A
03700 0900 3800 t the other extreme, in
03800 0900 3800 the solid state, atoms and molecules are highly organized in
03900 0900 3800 to well-defined patterns.
04000 0900 3800 The randomness of gases and the order of solids make possibl
04100 0900 3800 e mathematical
04200 0900 3800 simplifications that have helped in understanding these two
04300 0900 3800 states of matter.
04400 0900 3800 Between the extremes of randomness and order are liquids and
04500 0900 3800 various amorphous
04600 0900 3800 materials, all of which show partial ordering of atoms and
E- LF 039 S- LF 039 PROOF L+ SCAN M65 REP
```

Proof Version



DyText simplifies job management
and production flow procedures

The cost effectiveness of any text processing system is determined by how easily copy can be entered, manipulated, stored and, eventually, typeset.

The DyText 300 System provides the proper mix of hardware and software to do all of these jobs efficiently and economically. Text, controlled by the system's central processing unit and resident operating programs, flows smoothly through the production cycle. It can, for example, be automatically hyphenated, justified, kerned or set ragged, reducing the need for operator intervention. Copy - either the unjustified input version, or after system hyphenation and justification - is automatically routed to user-defined storage areas.

An important DyText feature is data storage "redundancy", the automatic storage of a backup

"safety" copy of the text in the system's data base. Storage options range from 5 to 50 Megabytes (50 million characters), satisfying a wide range of production volumes.

Another important DyText capability is on-line archiving. This technique provides an economical secondary storage medium for jobs which require subsequent data revisions or have a lengthy production cycle.

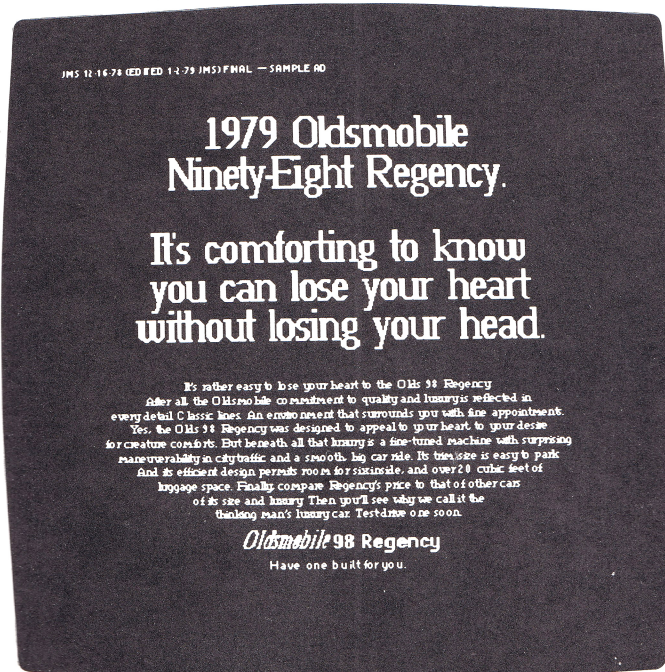
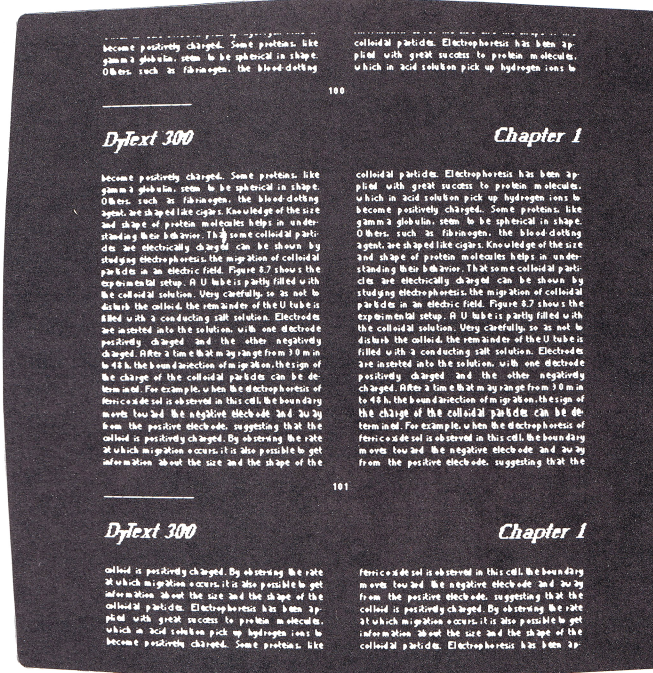
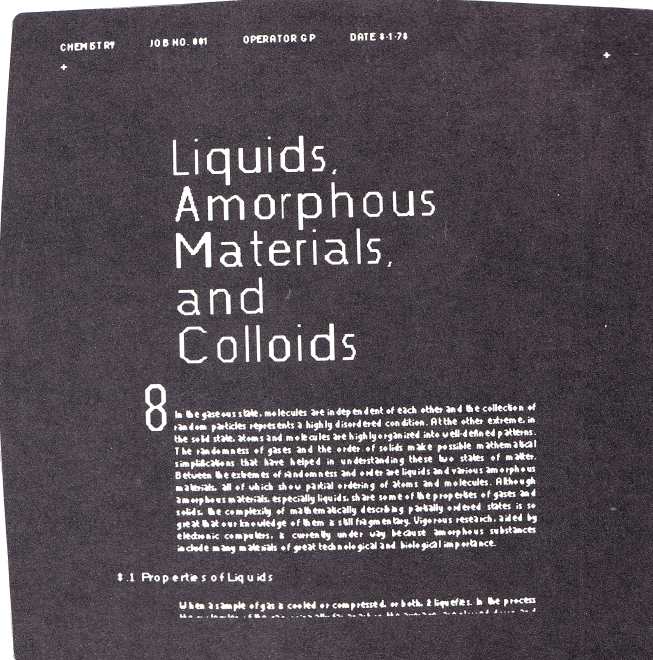
The DyText 300 Central Processing Unit is the system coordinator. It functions as the interface between operator and all system components, controls system maintenance and housekeeping chores, and provides for functional utilities such as type font width values, special pi characters and multi-language dictionaries.



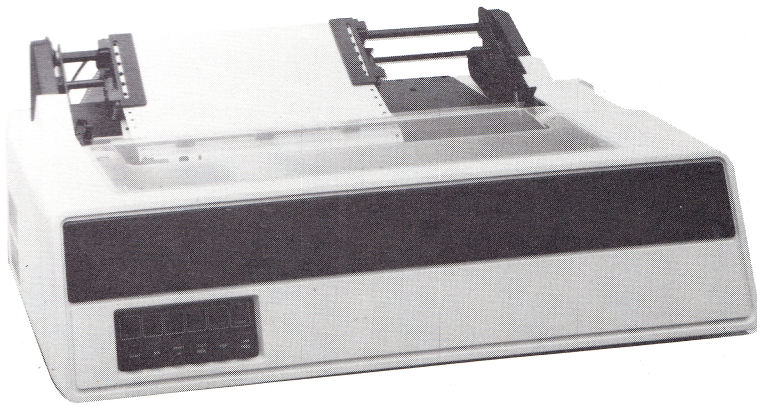
Soft copy viewing with Graphic Display Terminals

An invaluable production feature of the DyText 300 is its ability to provide "soft" copy viewing of formatted and composed copy on the system's Graphic Display Terminals (GDT). Eight representative type styles - Roman and Gothic fonts in medium and bold weights, regular and italic versions - can be displayed.

Text, heads and subheads can thus be checked quickly and economically for style and accuracy, and modified copy stored as justified text in the system's data base. When committed to typesetting, the copy is then perfect on the first output pass, greatly expediting the production of display advertising, page make-up and statistical tabbing.



That, in brief, is why we think the DyText 300 deserves your serious consideration. If you are to make the best decision about your new typesetting system, it also deserves a "hands-on" demonstration. Call us toll-free at 1-800-225-0945. We'll be glad to arrange one at your convenience.



DyText Improves Proofing and Editing Efficiency

Conventionally, copy proofing and editing is done on a typeset galley. This approach requires valuable typesetting time before copy is in its final form. DyText 300 provides a more efficient alternative - the preparation of proofing and editing copy by the system's line printer.

DyText line printer output presents justified copy which shows actual line endings and hyphenation points. The printout also includes time-saving editorial and statistical data. An audit trail shows copy depth

in picas and points, in inches and by number of lines. Format commands are imbedded in the text stream, so that style changes can be viewed while proofing.

Each printout line is assigned a number which is addressable during the VDT correction cycle. If line 156 is to be corrected, for example, the terminal editor simply calls for that line, which is automatically located by the cursor. The material to be changed is addressed immediately and directly, eliminating time-consuming search and scrolling routines.

```
0123
> - 32.06P 5.42I 109L 0X
197/1 TY1 TIC ... LF SEL LF/D LPJ LPJ/D KIL LPJ/D

0001 SEL 15 THE DAY
0002 *ds*wp2
0003 *f13*s14*111*m24
0004 The Day. I. I. I *f14A report of the chairmen*1
0005 *w12
0006 *m14*f13*s9*1111*cs. 2*hy
0007 *mp
0008 #On Sunday afternoon, October 29,
0009 1978, nearly 700 persons joined for dedi(-D)
0010 cation of the new DeVincent Building for
0011 Critical Care at the hospital.*1
0012 #As ceremonies took place within a
0013 cream and green tent set atop freshly
0014 striped macadam on that crisp afternoon,
0015 the mission of the hospital continued. Elec(-A)
0016 trically-operated glass doors opened to ad(-A)
0017 mit visitors to the new reception lobby.
```

Line printer output showing the audit trail, numbered lines, and types of hyphenation.

Itek Composition Systems

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